

What is claimed is

1. A method of forming impressions in a flexible graphite sheet comprising contacting a flexible graphite sheet with a forming element capable of oscillating against the flexible graphite sheet, whereby the oscillations are such that a plurality of impressions are formed in the flexible graphite sheet.
2. The method of claim 1, wherein the plurality of impressions comprise transverse channels passing through the sheet.
3. The method of claim 1, wherein the plurality of impressions comprise indentations in a surface of the flexible graphite sheet.
4. The method of claim 3, wherein the indentations combine to form a passage across a surface of the flexible graphite sheet.
5. The method of claim 1 which further comprises controlling the frequency of oscillations.
6. The method of claim 1 which further comprises controlling the amplitude of oscillations.
7. The method of claim 2 wherein the channel density in the flexible graphite sheet is at least about 210 channels/sq. centimeter.
8. The method of claim 1 which further comprises providing a forming element which comprises a contact element capable of oscillating and contacting the flexible graphite sheet to make impressions therein.

9. The method of claim 8 wherein the contact element has a tapered end.
10. The method of claim 9, wherein the degree of taper of the contact element is greater than about 10° and less than about 90° .
11. The method of claim 9, wherein the contact element has a cross-section shape selected to provide the desired shape or geometry of impressions.
12. The method of claim 8, wherein the forming element further comprises an oscillating element which is in operative contact with the contact element, and is capable of creating oscillations in the contact element.